Tactical Combat Operations (TCO)

TCO Server

TCO Workstation

POM-06 Command Element Advocacy Board (CEAB)

Briefed by Steve Piaskowski

Requirements Officer: Major Jeff Stansfield (MCCDC)
Advocate Representative: LtCol Dave McKinley (HQMC PP&O)

REQUIREMENT DESCRIPTION:

- Principal tool within the MAGTF for situational awareness through distribution of a Common Tactical Picture.
- Used to display maps; display friendly and enemy unit locations; and develop, display and transmit overlays and plans of intended movement.

CAPABILITY PROVIDED:

- Provides commanders the rapid receipt, storage and retrieval of all-source intelligence data and the automation to receive, fuse, select, and display information throughout the battlefield.
- System attributes include: automated message processing, mission planning, development and dissemination of operational orders and overlays, display of current friendly and enemy situations, display of tactical control measures, and interface with local and wide area networks.

URGENCY TO COMPETE IN POM 06:

- PMC deficiencies prevent it from procuring items which are essential to fielding new systems (e.g., computer peripherals, transit cases, commercial off-the-shelf software, system integration, logistics support, and Mobile Team Training).
- OMMC funding deficiencies for support of fielded systems (e.g., on site technical support at the MEFs, software upgrades, hardware/software configuration management, curriculum updates).

STATUS OF REQUIREMENTS DOCUMENATION:

TCO is a post Milestone III program (Milestone III was granted in November 1995). In March 2003 MCCDC chaired a Blue Force Tracking Integrated Product Team conference to review existing USMC C4I architectures, and to determine the interoperability requirements between USMC and Joint systems as they pertain to Common Operational Picture development, Blue Force Tracking, and Combat Identification. Incident to this IPT, the TCO ORD was reviewed and updated. It is currently in staffing within MCCDC.

AAO:

TCO Server

I MEF	35	MPF	
II MEF	49	NALMEB	
III MEF	38	DMFA	
MFR	22	WRMR	
SMCR		Schools	20
Supt Est		Other	25
Total	**189**		

TCO Workstation

I MEF	152	MPF	
II MEF	138	NALMEB	
III MEF	81	DMFA	
MFR	95	WRMR	
SMCR		Schools	34
Supt Est		Other	25
Total	**525**		

RELATED SYSTEMS: Global Command Control System (GCCS),

OUTSTANDING ISSUES:

- Lessons learned during the recent Operation Enduring Freedom and Operation Iraqi Freedom necessitated an accelerated refresh of the TCO laptop workstation in FY 03, in conjunction with the Intelligence Analysis System program and Global Command Control System program. Future refreshes of this workstation will now be in FY 06 and FY 09 based on a 3 year refresh cycle.

- The forthcoming DISA 4.x software release in mid-FY 04 mandates an earlier refresh of TCO's server (from the scheduled FY 05 refresh to FY 04). The next refresh after that will now be in FY 08 based on a 4 year refresh cycle.

- TCO's periodic software upgrades are required in order for TCO to maintain interoperability with other MAGTF C4I tactical systems, as well as Joint C4I tactical systems. As other software baselines move forward, TCO must keep abreast or it will suffer